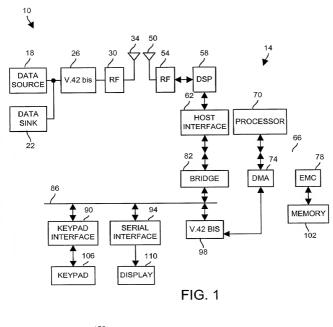
in the

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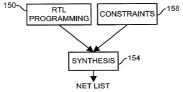


FIG. 2

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(figs. 3 & 4)

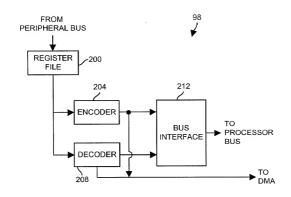


FIG. 3

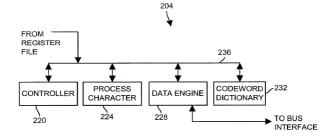


FIG. 4

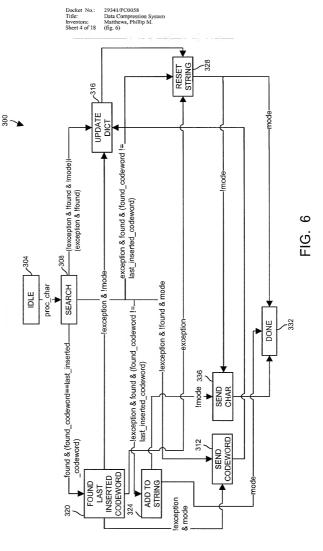
250 IDLE enable RESET DICT -test !test--262 WAIT FOR DICT TEST INPUT Processor Processor Processor got character requests requests requests mode change flush reset 270 282-CHANGE PROC RESET **FLUSH** MODE CHAR 278 FIG. 5 350 RX IDLE get_character RX DMA -360 WAIT STAT DMA retrieved character RX DMA -364 STB proc_char_done RX CHAR VALID

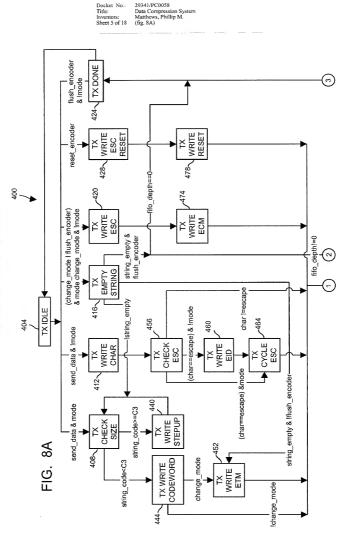
FIG. 7

Docket No.:

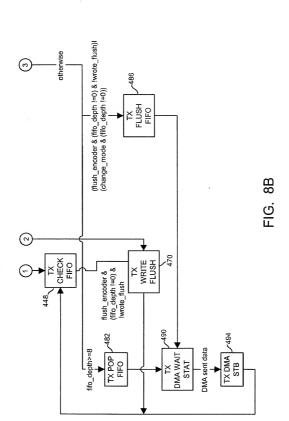
Inventors: Sheet 3 of 18 29341/PC0058 Data Compression System Matthews, Phillip M.

(figs. 5 & 7)

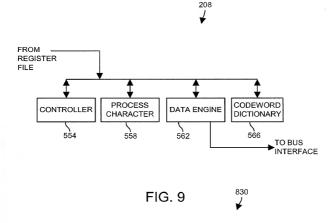




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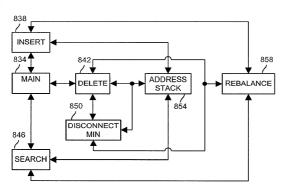
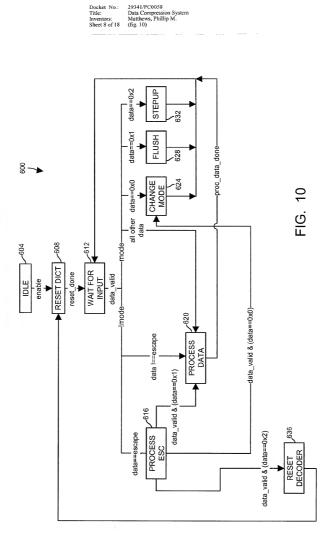


FIG. 14



Sheet 9 of 18 (fig. 11) 660 -664 IDLE proc_data & !mode proc_data & mode -672 READ 668~ SEND CHAR CODEWORD access done prev_code !=0 **PUSH STACK** prev_code ==0 tx_done & mode 680-POP STACK &!stack empty tx done & (!mode | (mode& stack empty)) -684 SEARCH search done search done & !mode &mode !found -668 found UPDATE !dict busy -!found DICT & mode SET !dict_busy STRING & mode

Docket No.:

Title:

Inventors:

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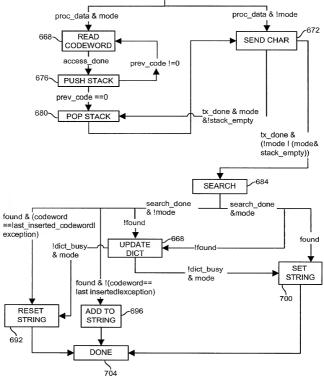


FIG. 11

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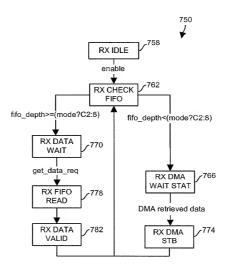
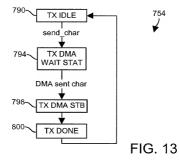
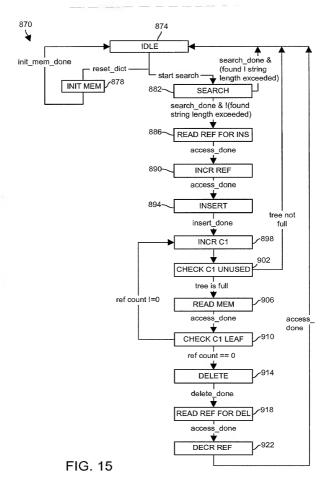


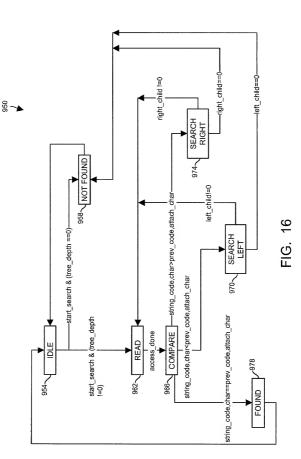
FIG. 12



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Inventors: Matthews, Phillip M.
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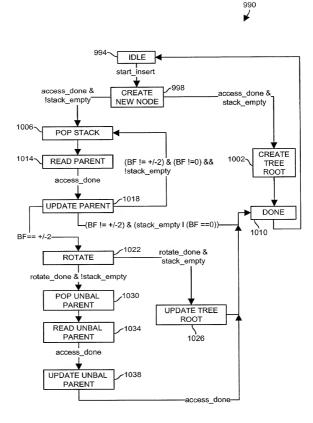
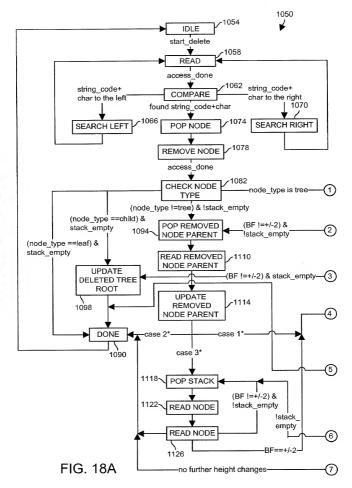


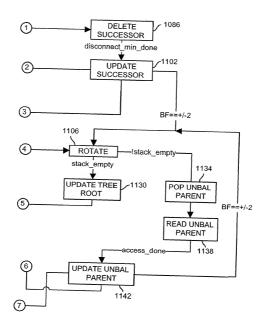
FIG. 17

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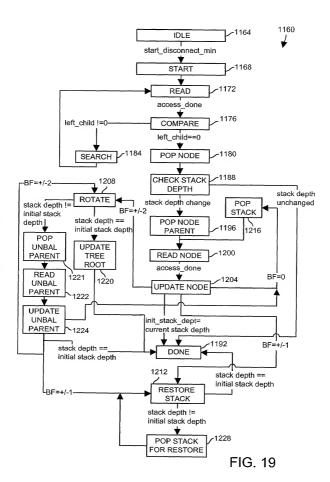


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FIG. 18B



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-1254 IDLE start_rotate READ PARENT access_done CALCULATE **-1262 IMBALANCE** -1266 READ CHILD access_done CALCULATE HEAVY -1274 COMPARE CHILD BF RL or LR rotation RR or LL rotation READ 1282 GRANDCHILD UPDATE PARENT access done 1286 UPDATE CHILD RL or LR rotation UPDATE 1294 RR or LL rotation GRANDCHILD access_done

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1250

FIG. 20

DONE

1290

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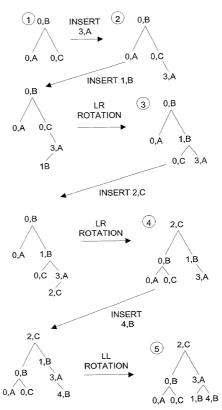


FIG. 21